December 2003 Changes to the ARB Consolidated Table of Health Values

Below is a list of changes made to the September 2002 Consolidated Table of Health Values, which was the last published version of this table.

New Substances:

- The Office of Environmental Health Hazard Assessment (OEHHA) has adopted the WHO_{97} Toxicity Equivalency Factors for polychlorinated dibenzo-*p*-dioxins and dibenzofurans, and dioxin-like polychlorinated biphenyls (see OEHHA memo August 29, 2003). Values changed for:
  1,2,3,7,8-Pentachlorodibenzo-*p*-dioxin;
  1,2,3,4,6,7,8,9-Octachlorodibenzo-*p*-dioxin; and
  1,2,3,4,6,7,8,9-Octachlorodibenzofuran
- Polychlorinated biphenyls (speciated): Twelve dioxin-like PCBs have been added to the list (see OEHHA memo August 29, 2003). Cancer and chronic inhalation and oral values were added for these substances.
- Phosphine: Inhalation chronic REL adopted in September 2002.

New Health Values:

- Fluorides including Hydrogen Fluoride: Chronic inhalation and oral RELs were adopted for Fluorides including Hydrogen Fluoride (see OEHHA memo August 14, 2003). Note: these are multipathway substances. However, OEHHA is still developing the transfer factors for these substances. Therefore, until the new transfer factors are developed, HARP will NOT calculate fluorides as multipathway. A new health table for HARP will be distributed when the transfer factors are available.
- Triethylamine: Inhalation chronic REL adopted in September 2002.
- Carbon disulfide: Inhalation chronic REL adopted in May 2002.
- Polychlorinated biphenyls: Low risk PCB renamed to lowest risk PCB. Inhalation and oral cancer values added for low risk PCB.

Removed:

- Chromium (hexavalent): The oral cancer slope factor has been withdrawn
- Dimethylamine: The substance is not listed in the Hot Spots Emission Inventory Criteria and Guidelines Report

Changes/Corrections:

⋆ (Listed in *Appendix I, Additions and Corrections The Air Toxics Hot Spots Program Risk Assessment Guidelines; Part II; Technical Support Document for Describing Available Cancer Potency Factors*)

- Arsine: The molecular weight adjustment factor has been changed from 0.9612 to 1.0
- 1,6-Dinitropyrene⋆: CAS number changed from 4239-76-48 to 42397-64-8.
- 1,8-Dinitropyrene⋆: CAS number changed from 4239-76-59 to 42397-65-9.

- Ethylene dichloride*: Cancer slope factor changed from 7.0 E-2 $(mg/kg\text{-}day)^{-1}$ to 7.2 E-2 $(mg/kg\text{-}day)^{-1}$, Cancer unit risk changed from 2.2 E-5 $(\mu g/m^3)^{-1}$ to 2.1 E-5 $(\mu g/m^3)^{-1}$.
- N-Nitrosodi-n-butylamine*: name changed from N-Nitroso-n-dibutylamine.
- Methyl tertiary-butyl ether: inhalation cancer potency factor changed from 9.4E-04 $(mg/kg\text{-}day)^{-1}$ to 1.8E-3 $(mg/kg\text{-}day)^{-1}$.